

WHAT IS CLAIMED IS:

1. A gateway card that is connected to an information processor and that receives and transmits data between different networks, the gateway card comprising:

5 a receiving unit that receives from a remote control device remote control data to be set to an apparatus to be remote controlled and a remote control request;

a data setting unit that makes the information processor set the remote control data to the apparatus to be remote controlled; and

10 a power control unit that changes a power mode of the information processor from a power-saving mode to a normal power mode when the receiving unit receives the remote control request, and changes the power mode from the normal power mode to the power-saving mode when the setting of in the remote control data to
15 apparatus to be remote controlled is complete.

2. The gateway card according to claim 1, further comprising an e-mail unit that receives a completion e-mail, which indicates that the setting of in the remote control data to apparatus to be remote
20 controlled is complete, from the information processor, and that transmits the completion e-mail to the remote control device, whereby an operator of the remote control device knows that the setting of in the remote control data to apparatus to be remote controlled is complete.

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3. The gateway card according to claim 1, wherein the data setting unit identifies one apparatus to be remote controlled from among a plurality of apparatuses from information contained in the remote control data, and makes the information processor set the remote control data to the identified apparatus.

4. A gateway control method applied to a gateway card that is connected to an information processor and that receives and transmits data between different networks, the gateway control method comprising:

- receiving from a remote control device remote control data to be set to an apparatus to be remote controlled and a remote control request;
- shifting a power mode of the information processor from a power-saving mode to a normal power mode upon reception of the remote control request;
- making the information processor set the remote control data to the apparatus to be remote controlled; and
- shifting the power mode of the information processor from the normal power mode to the power-saving mode, when the setting of in the remote control data to apparatus to be remote controlled is complete.

5. The gateway control method according to claim 4, further comprising receiving a completion e-mail, which indicates that the setting of in the remote control data to apparatus to be remote controlled is complete, from the information processor, and transmitting the completion e-mail to the remote control device, whereby an operator of the remote control device knows that the setting of in the remote control data to apparatus to be remote controlled is complete.

6. The gateway control method according to claim 4, further comprising identifying one apparatus to be remote controlled from among a plurality of apparatuses from information contained in the remote control data, and making the information processor set the remote control data to the identified apparatus.

7. A computer program that is applied to a gateway card that is connected to an information processor and that receives and transmits data between different networks, the computer program making a computer execute:

receiving from a remote control device remote control data to be set to an apparatus to be remote controlled and a remote control request;

shifting a power mode of the information processor from a power-saving mode to a normal power mode upon reception of the remote control request;

making the information processor set the remote control data to

the apparatus to be remote controlled; and

shifting the power mode of the information processor from the normal power mode to the power-saving mode, when the setting of in the remote control data to apparatus to be remote controlled is complete.

8. The computer program according to claim 7, further making the computer execute receiving a completion e-mail, which indicates that the setting of in the remote control data to apparatus to be remote controlled is complete, from the information processor, and transmitting the completion e-mail to the remote control device, whereby an operator of the remote control device knows that the setting of in the remote control data to apparatus to be remote controlled is complete.

9. The computer program according to claim 7, further making the computer execute identifying one apparatus to be remote controlled from among a plurality of apparatuses from information contained in the remote control data, and making the information processor set the remote control data to the identified apparatus.

10. A gateway apparatus having an information processor and a gateway section that is connected to the information processor and that receives and transmits data between different networks, wherein the gateway section includes

a receiving unit that receives from a remote control

device remote control data to be set to an apparatus to be remote controlled and a remote control request;

5 a returning unit that issues a return notification to return a power mode of the information processor from a power-saving mode to a normal power mode when the receiving unit receives the remote control request;

a data setting unit that makes the information processor set the remote control data to the apparatus to be remote controlled; and

10 a changing unit that issues a shift notification to change the power mode of the information processor from the normal power mode to the power-saving mode when the setting of in the remote control data to apparatus to be remote controlled is complete, and

the information processor includes a power control unit that
15 returns the power mode of the information processor from the power-saving mode to the normal power mode based on the return notification, and changes the power mode of the information processor from the normal power mode to the power-saving mode based on the shift notification.

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11. The gateway apparatus according to claim 10, further comprising an e-mail unit that receives a completion e-mail, which indicates that the setting of in the remote control data to apparatus to be remote controlled is complete, from the information processor, and
25 that transmits the completion e-mail to the remote control device,

whereby an operator of the remote control device knows that the setting of in the remote control data to apparatus to be remote controlled is complete.

- 5 12. The gateway apparatus according to claim 10, wherein the data setting unit identifies one apparatus to be remote controlled from among a plurality of apparatuses based on the remote control data, and makes the information processor set the remote control data to the identified apparatus.

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13. A gateway control method applied to a gateway apparatus that has an information processor and a gateway section that is connected to the information processor and that receives and transmits data between different networks, wherein

- 15 the gateway section executes

 receiving from a remote control device remote control data to be set to an apparatus to be remote controlled and a remote control request;

- issuing a return notification to return a power mode of
20 the information processor from a power-saving mode to a normal power mode when the remote control request is received;

 making the information processor set the remote control data to the apparatus to be remote controlled; and

- issuing a shift notification to change the power mode of
25 the information processor from the normal power mode to the

power-saving mode, when the setting of in the remote control data to apparatus to be remote controlled is complete, and

the information processor executes returning the power mode of the information processor from the power-saving mode to the normal power mode based on the return notification, and changing the power mode of the information processor from the normal power mode to the power-saving mode based on the shift notification.

14. The gateway control method according to claim 13, further comprising receiving a completion e-mail, which indicates that the setting of in the remote control data to apparatus to be remote controlled is complete, from the information processor, and transmitting the completion e-mail to the remote control device, whereby an operator of the remote control device knows that the setting of in the remote control data to apparatus to be remote controlled is complete.

15. The gateway control method according to claim 13, further comprising identifying one apparatus to be remote controlled from among a plurality of apparatuses from information contained in the remote control data, and making the information processor set the remote control data to the identified apparatus.

16. A computer program applied to a gateway apparatus that has an information processor and a gateway section that is connected to the information processor and that receives and transmits data between

different networks, wherein the computer program makes

the gateway section execute

receiving from a remote control device remote control
data to be set to an apparatus to be remote controlled and a remote

5 control request;

issuing a return notification to return a power mode of
the information processor from a power-saving mode to a normal power
mode when the remote control request is received;

making the information processor set the remote control
10 data to the apparatus to be remote controlled; and

issuing a shift notification to change the power mode of
the information processor from the normal power mode to the
power-saving mode, when the setting of in the remote control data to
apparatus to be remote controlled is complete, and

15 the information processor execute returning the power mode of
the information processor from the power-saving mode to the normal
power mode based on the return notification, and changing the power
mode of the information processor from the normal power mode to the
power-saving mode based on the shift notification.

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17. The computer program according to claim 16, further making the
computer execute receiving a completion e-mail, which indicates that
the setting of in the remote control data to apparatus to be remote
controlled is complete, from the information processor, and transmitting

25 the completion e-mail to the remote control device, whereby an operator

of the remote control device knows that the setting of in the remote control data to apparatus to be remote controlled is complete.

- 18. The computer program according to claim 16, further making the
5 computer execute identifying one apparatus to be remote controlled
from among a plurality of apparatuses from information contained in the remote control data, and making the information processor set the remote control data to the identified apparatus.